

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1997	(pt or platinum or Pt) with electrode with counter	USPAT	OR	OFF	2007/03/14 13:55
S2	1187	136/256.ccls.	USPAT	OR	OFF	2007/03/15 15:17
S3	30	S1 and S2	USPAT	OR	OFF	2007/03/14 13:27
S4	77	method with (pt or platinum or Pt) with electrode with counter	USPAT	OR	OFF	2007/03/14 13:56
S5	1	S4 and S2	USPAT	OR	OFF	2007/03/14 14:24
S6	1753	method with counter with electrode	USPAT	OR	OFF	2007/03/14 14:24
S7	14	S6 and S2	USPAT	OR	OFF	2007/03/14 18:33
S8	33	(ta or tantalum or Ta) with electrode with sputter	USPAT	OR	OFF	2007/03/14 18:34
S9	1187	136/256.ccls.	USPAT	OR	OFF	2007/03/15 12:45
S10	0	S8 and S9	USPAT	OR	OFF	2007/03/14 18:34
S11	176	S9 and (ta or tantalum or Ta)	USPAT	OR	OFF	2007/03/14 18:35
S12	4623	aluminum with oxide with electrode	USPAT	OR	OFF	2007/03/14 18:36
S13	21	aluminum with oxide with electrode with sputter	USPAT	OR	OFF	2007/03/14 18:37
S14	21	((aluminum with oxide) or "Al2O3") with electrode with sputter	USPAT	OR	OFF	2007/03/14 18:42
S15	0	((tantalum with oxide)) with electrode with sputter	USPAT	OR	OFF	2007/03/14 18:43
S16	1	(((tantalum or Ta) with oxide)) with electrode with sputter	USPAT	OR	OFF	2007/03/14 18:48
S17	0	(Ta2O5) with electrode with sputter	USPAT	OR	OFF	2007/03/14 18:48
S18	365	(Ta2O5) with sputter	USPAT	OR	OFF	2007/03/14 18:48
S19	0	(Ta2O5) with sputter	USPAT	OR	OFF	2007/03/14 18:48
S20	0	(Ta2O5 or (tantalum with oxide)) with sputter	USPAT	OR	OFF	2007/03/14 18:49
S21	91	(Ta2O5 or (tantalum with oxide)) with sputter	USPAT	OR	OFF	2007/03/14 18:49
S22	91	(Ta2O5 or (tantalum with oxide)) with sputter	USPAT	OR	OFF	2007/03/14 18:49
S23	2	(Ta2O5 or (tantalum with oxide)) with sputter with electrode	USPAT	OR	OFF	2007/03/14 18:51
S24	44	(SiO2 or (silicon with oxide)) with sputter with electrode	USPAT	OR	OFF	2007/03/15 08:58

## EAST Search History

S25	94	(SiO2 or (silicon with oxide)) with sputter with electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 09:13
S26	2	S25 and (pv or solar or photovoltaic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 09:00
S27	0	(SiO2 or (silicon with oxide)) with sputter with electrode with porous	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 09:08
S28	0	(SiO2 or (silicon with oxide)) with sputter with electrode with poro\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 09:08
S29	7	(SiO2 or (silicon with oxide)) with sputter with electrode with (pt or Pt or platinum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 09:18
S30	2023	electrode with "tantalum oxide"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 09:18
S31	0	electrode with "tantalum oxide" with (pt or platinum) with sputter	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 09:19

## EAST Search History

S32	132	electrode with "tantalum oxide" with (pt or platinum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 09:20
S33	0	"10848196".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 09:21
S34	0	"10848196".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/15 09:21
S35	0	((aluminum with oxide) or ("Al2O3")) with electrode with sputter with (pt or Pt or platinum)	USPAT	OR	OFF	2007/03/15 12:35
S36	4	((aluminum with oxide) or ("Al2O3")) or ((tantalum with oxide) or ("Ta2O3"))or((silicon with oxide) or ("Si2O3")) with electrode with sputter with (pt or Pt or platinum)	USPAT	OR	OFF	2007/03/15 12:41
S37	59	((aluminum with oxide) or ("Al2O3")) or ((tantalum with oxide) or ("Ta2O3"))or((silicon with oxide) or ("Si2O3")) with electrode with sputter	USPAT	OR	OFF	2007/03/15 12:43
S38	314	aluminum with oxide with platinum with electrode	USPAT	OR	OFF	2007/03/15 12:45
S39	0	S38 with (pv or photovoltaic or solar)	USPAT	OR	OFF	2007/03/15 12:43
S40	4623	aluminum with oxide with electrode	USPAT	OR	OFF	2007/03/15 12:45
S41	1187	136/256.ccls.	USPAT	OR	OFF	2007/03/15 12:46
S42	54	S40 and S41	USPAT	OR	OFF	2007/03/15 15:13
S43	0	"2004067369"	USPAT	OR	OFF	2007/03/15 15:13
S44	1117	"Electroluminescence display"	USPAT	OR	OFF	2007/03/15 15:14
S45	1	S44 and KATO with YOSHIFUMI	USPAT	OR	OFF	2007/03/15 15:14
S46	1	S45 and electrode	USPAT	OR	OFF	2007/03/15 15:14
S47	1	S46 and oxide	USPAT	OR	OFF	2007/03/15 15:16

## EAST Search History

S48	220	alumina with platinum with electrode	USPAT	OR	OFF	2007/03/15 15:17
S49	1187	136/256.ccls.	USPAT	OR	OFF	2007/03/15 15:17
S50	0	S48 and S49	USPAT	OR	OFF	2007/03/15 15:17
S51	3097	alumina with electrode	USPAT	OR	OFF	2007/03/15 15:17
S52	0	k9 and S49	USPAT	OR	OFF	2007/03/15 15:17
S53	9	S51 and S49	USPAT	OR	OFF	2007/03/15 15:17
S54	24805	silica and electrode	USPAT	OR	OFF	2007/03/15 15:28
S55	46	silica with electrode with (pt or platinum)	USPAT	OR	OFF	2007/03/15 15:28
S56	0	S55 and S49	USPAT	OR	OFF	2007/03/15 15:28
S57	166980	platinum pt	USPAT	OR	OFF	2007/03/15 15:42
S58	3327002	tantalum ta silicon si aluminum al	USPAT	OR	OFF	2007/03/15 15:42
S59	598090	oxide oxides	USPAT	OR	OFF	2007/03/15 15:42
S60	11752	fuel adj cell	USPAT	OR	OFF	2007/03/15 15:42
S61	159289	S58 near3 S59	USPAT	OR	OFF	2007/03/15 15:44
S62	3	S57 with S61 with S60	USPAT	OR	OFF	2007/03/15 15:46
S63	184601	cathode anode electrode	USPAT	OR	OFF	2007/03/15 15:46
S64	104	S57 with S61 with S63	USPAT	OR	OFF	2007/03/15 17:08
S65	5	S64 and S60	USPAT	OR	OFF	2007/03/15 15:52
S66	166980	platinum or pt	USPAT	OR	OFF	2007/03/15 16:05
S67	176	electrode with sputter with oxide	USPAT	OR	OFF	2007/03/15 16:06
S68	0	S67 and S49	USPAT	OR	OFF	2007/03/15 16:07
S69	0	alumina with electrode with pt with sputter	USPAT	OR	OFF	2007/03/15 16:07
S70	75	alumina with electrode with pt	USPAT	OR	OFF	2007/03/15 16:08
S71	0	S70 with sputter	USPAT	OR	OFF	2007/03/15 16:07
S72	19721	oxide with electrode with ((al or aluminum) or (ta or tantalum) or (silicon or si))	USPAT	OR	OFF	2007/03/15 16:09
S73	1326	S72 and sputter	USPAT	OR	OFF	2007/03/15 16:09
S74	8556	S72 and sputter\$	USPAT	OR	OFF	2007/03/15 16:09
S75	90	S74 and S49	USPAT	OR	OFF	2007/03/15 16:22
S76	314	aluminum with oxide with electrode with platinum	USPAT	OR	OFF	2007/03/15 16:54
S77	31	S76 and (pv or photovoltaic or solar)	USPAT	OR	OFF	2007/03/15 16:23
S78	34	Ta2O5 with electrode	USPAT	OR	OFF	2007/03/15 17:13
S79	24	al2O3 with electrode	USPAT	OR	OFF	2007/03/15 17:14

## EAST Search History

S80	0	al2o3 with electrode with sputter	USPAT	OR	OFF	2007/03/15 17:43
S81	0	ta2o5 with electrode with sputter	USPAT	OR	OFF	2007/03/15 17:14
S82	1	siO2 with electrode with sputter	USPAT	OR	OFF	2007/03/15 17:17
S83	44	silicon with oxide with electrode with sputter	USPAT	OR	OFF	2007/03/15 17:39
S84	48	(si or silicon) with oxide with electrode with sputter	USPAT	OR	OFF	2007/03/15 17:39
S85	1315	al2o3	USPAT	OR	OFF	2007/03/15 17:43
S86	0	"al.sub.2.o.sub.3."	USPAT	OR	OFF	2007/03/15 17:43
S87	0	"al.sub.2. o.sub.3."	USPAT	OR	OFF	2007/03/15 17:43
S88	0	"al.sub.2."	USPAT	OR	OFF	2007/03/15 17:44
S89	4882	"al.sub.2o.sub.3"	USPAT	OR	OFF	2007/03/15 17:56
S90	231	S89 with electrode	USPAT	OR	OFF	2007/03/15 17:49
S91	108	S90 and cell	USPAT	OR	OFF	2007/03/15 17:49
S92	9	S91 and (solar or pv or photovoltaic)	USPAT	OR	OFF	2007/03/15 17:50
S93	122337	"al.sub.2o.sub.3" or (aluminum with oxide) or (al with oxide)	USPAT	OR	OFF	2007/03/16 17:36
S94	6290	S93 with electrode	USPAT	OR	OFF	2007/03/15 17:57
S95	78	S94 and 136/256.ccls.	USPAT	OR	OFF	2007/03/15 17:57
S96	400	S93 with electrode with sputter\$	USPAT	OR	OFF	2007/03/15 17:59
S97	7	S96 and S95	USPAT	OR	OFF	2007/03/15 17:57
S98	7	S96 and 136/256.ccls.	USPAT	OR	OFF	2007/03/15 18:00
S99	61	S96 and (solar or photovoltaic or pv)	USPAT	OR	OFF	2007/03/15 18:06
S100	52	S96 with (platinum or pt or Pt)	USPAT	OR	OFF	2007/03/15 18:06
S101	31	S100 and (solar or photovoltaic or pv)	USPAT	OR	OFF	2007/03/15 18:06
S102	127997	"si.o.sub.2" or (silicon with oxide) or (si with oxide)	USPAT	OR	OFF	2007/03/15 18:26
S103	2654	S102 with (pt or Pt or platinum)	USPAT	OR	OFF	2007/03/15 18:11
S104	147	S103 with sputter\$	USPAT	OR	OFF	2007/03/15 18:19
S105	9	S104 and (pv or photovoltaic or solar)	USPAT	OR	OFF	2007/03/15 18:17
S106	0	S104 and 136/256.ccls.	USPAT	OR	OFF	2007/03/15 18:26
S107	1	S104 with cell	USPAT	OR	OFF	2007/03/15 18:18

## EAST Search History

S10 8	46	S104 with electrode	USPAT	OR	OFF	2007/03/15 18:19
S10 9	526	("si.o.sub.2" or (silicon with oxide) or (si with oxide)) with electrode with sputt\$	USPAT	OR	OFF	2007/03/15 18:27
S11 0	4	S109 and 136/256.ccls.	USPAT	OR	OFF	2007/03/15 18:26
S11 1	400	("al.sub.2o.sub.3" or (aluminum with oxide) or (al with oxide)) with electrode with sputt\$	USPAT	OR	OFF	2007/03/15 18:30
S11 2	7	S111 and 136/256.ccls.	USPAT	OR	OFF	2007/03/15 18:28
S11 3	52	("al.sub.2o.sub.3" or (aluminum with oxide) or (al with oxide)) with electrode with sputt\$ with (platinum or pt or PT)	USPAT	OR	OFF	2007/03/15 18:31
S11 4	1	"6558847".pn.	USPAT	OR	OFF	2007/03/16 15:04
S11 5	4498	porous and electrode and oxide and (ta or tantalum)	USPAT	OR	OFF	2007/03/16 15:04
S11 6	111777	porous with electrode with oxide wiht (ta or tantalum)	USPAT	OR	OFF	2007/03/16 15:05
S11 7	76	porous with electrode with oxide with (ta or tantalum)	USPAT	OR	OFF	2007/03/16 15:05
S11 8	157	porous with (anode or cathode or electrode) with oxide with (ta or tantalum)	USPAT	OR	OFF	2007/03/16 15:07
S11 9	157	porous with (anode or cathode or electrode) with oxide with (ta or tantalum or ta205)	USPAT	OR	OFF	2007/03/16 15:07
S12 0	27	porous with (anode or cathode or electrode) with oxide with (ta or tantalum or ta205) with (pt or platinum)\	USPAT	OR	OFF	2007/03/16 15:07
S12 1	27	porous with (anode or cathode or electrode) with oxide with (ta or tantalum or ta205) with (pt or platinum)	USPAT	OR	OFF	2007/03/16 15:11
S12 2	10950	porous with electrode	USPAT	OR	OFF	2007/03/16 15:12
S12 3	186	S122 with (ta or tantalum or ta2o5)	USPAT	OR	OFF	2007/03/16 15:12
S12 4	41	S123 with (pt or platinum)	USPAT	OR	OFF	2007/03/16 15:14
S12 5	1	nanocrystal with (pt or platinum) with electrode with oxide	USPAT	OR	OFF	2007/03/16 17:35

## EAST Search History

S12 6	18	nano\$ with (pt or platinum) with electrode with oxide	USPAT	OR	OFF	2007/03/16 15:31
S12 7	3122	(pt or platinum) with oxide with electrode	USPAT	OR	OFF	2007/03/16 15:31
S12 8	144	S127 with porous	USPAT	OR	OFF	2007/03/16 15:31
S12 9	15	S128 with (al or alumina or al2o3)	USPAT	OR	OFF	2007/03/16 15:32
S13 0	1251	porous with electrode with (pt or platinum)	USPAT	OR	OFF	2007/03/16 16:09
S13 1	12	S130 with (aluminum with oxide)	USPAT	OR	OFF	2007/03/16 15:51
S13 2	252	porous with alumina with electrode	USPAT	OR	OFF	2007/03/16 15:52
S13 3	43	S132 with (pt or platinum)	USPAT	OR	OFF	2007/03/16 15:52
S13 4	144	S130 with oxide	USPAT	OR	OFF	2007/03/16 16:24
S13 5	10950	porous with electrode	USPAT	OR	OFF	2007/03/16 16:24
S13 6	0	S135 and 136/236.ccls.	USPAT	OR	OFF	2007/03/16 16:24
S13 7	7222	S135 and cell	USPAT	OR	OFF	2007/03/16 16:24
S13 8	1236	electrode with oxide with porous	USPAT	OR	OFF	2007/03/16 16:25
S13 9	756	S138 and S137	USPAT	OR	OFF	2007/03/16 16:25
S14 0	41818	electrode with (al or aluminum or "al.sub.2o.sub.3")	USPAT	OR	OFF	2007/03/16 16:26
S14 1	232	S139 and S140	USPAT	OR	OFF	2007/03/16 16:28
S14 2	94	S141 and sputt\$	USPAT	OR	OFF	2007/03/16 16:38
S14 3	15	bulk with fuel with cell with electrode with porous	USPAT	OR	OFF	2007/03/16 17:19
S14 4	107	porous with electrode with sputter\$	USPAT	OR	OFF	2007/03/16 17:19
S14 5	89	S144 and oxide	USPAT	OR	OFF	2007/03/16 17:19
S14 6	77	S145 and (pt or platinum)	USPAT	OR	OFF	2007/03/16 17:20
S14 7	11	S144 with oxide	USPAT	OR	OFF	2007/03/16 17:22

## EAST Search History

S14 8	10950	porous with electrode	USPAT	OR	OFF	2007/03/16 17:22
S14 9	107	S148 with sputt\$	USPAT	OR	OFF	2007/03/16 17:27
S15 0	1	tantalum oxide porous electrode fuel cell	USPAT	WITH	OFF	2007/03/16 17:28
S15 1	62	tantalum oxide porous electrode	USPAT	WITH	OFF	2007/03/16 17:35
S15 2	1	nanocrystal with (pt or platinum) with electrode with oxide	USPAT	OR	OFF	2007/03/16 17:36
S15 3	3122	(pt or platinum) with electrode with oxide	USPAT	OR	OFF	2007/03/16 17:36
S15 4	122337	"al.sub.2o.sub.3" or (aluminum with oxide) or (al with oxide)	USPAT	OR	OFF	2007/03/16 17:44
S15 5	1215	S154 and S153	USPAT	OR	OFF	2007/03/16 17:37
S15 6	516	S154 with S153	USPAT	OR	OFF	2007/03/16 17:37
S15 7	13983	fuel with cell	USPAT	OR	OFF	2007/03/16 17:37
S15 8	13	S156 and S157	USPAT	OR	OFF	2007/03/16 17:43
S15 9	94	S142 and electrode	USPAT	OR	OFF	2007/03/16 17:40
S16 0	13	S158 and electrode	USPAT	OR	OFF	2007/03/16 17:40
S16 1	6822	fuel with cell and electrode	USPAT	OR	OFF	2007/03/16 17:43
S16 2	10950	porous with electrode	USPAT	OR	OFF	2007/03/16 17:43
S16 3	2437	S161 and S162	USPAT	OR	OFF	2007/03/16 17:44
S16 4	53441	(oxide or "al.sub.2o.sub.3" or "ta. sub.2o.sub.5" or "sio.sub.2") with electrode	USPAT	OR	OFF	2007/03/16 17:45
S16 5	3350	(oxide or "al.sub.2o.sub.3" or "ta. sub.2o.sub.5" or "sio.sub.2") with electrode with (pt or platinum)	USPAT	OR	OFF	2007/03/16 17:45
S16 6	2784	(oxide or "al.sub.2o.sub.3" or "ta. sub.2o.sub.5" or "sio.sub.2") with electrode with sputt\$	USPAT	OR	OFF	2007/03/16 17:45
S16 7	12	(oxide or "al.sub.2o.sub.3" or "ta. sub.2o.sub.5" or "sio.sub.2") with electrode with sputt\$ with porous	USPAT	OR	OFF	2007/03/16 17:46